



Army Sustainability Report – Communicating Evolving Initiatives and Successes

Environment, Energy Security & Sustainability Symposium & Exhibition
24 May 2012

Report Documentation Page			<i>Form Approved OMB No. 0704-0188</i>	
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1. REPORT DATE 24 MAY 2012	2. REPORT TYPE	3. DATES COVERED 00-00-2012 to 00-00-2012		
4. TITLE AND SUBTITLE Army Sustainability Report - Communicating Evolving Initiatives and Successes			5a. CONTRACT NUMBER	
			5b. GRANT NUMBER	
			5c. PROGRAM ELEMENT NUMBER	
6. AUTHOR(S)			5d. PROJECT NUMBER	
			5e. TASK NUMBER	
			5f. WORK UNIT NUMBER	
7. PERFORMING ORGANIZATION NAME(S) AND ADDRESS(ES) Assistant Secretary of the Army (Installations, Energy, & Environment),110 Army Pentagon Room 3E464,Washington,DC,20310-0110			8. PERFORMING ORGANIZATION REPORT NUMBER	
9. SPONSORING/MONITORING AGENCY NAME(S) AND ADDRESS(ES)			10. SPONSOR/MONITOR'S ACRONYM(S)	
			11. SPONSOR/MONITOR'S REPORT NUMBER(S)	
12. DISTRIBUTION/AVAILABILITY STATEMENT Approved for public release; distribution unlimited				
13. SUPPLEMENTARY NOTES Presented at the NDIA Environment, Energy Security & Sustainability (E2S2) Symposium & Exhibition held 21-24 May 2012 in New Orleans, LA.				
14. ABSTRACT				
15. SUBJECT TERMS				
16. SECURITY CLASSIFICATION OF:			17. LIMITATION OF ABSTRACT Same as Report (SAR)	18. NUMBER OF PAGES 14
a. REPORT unclassified	b. ABSTRACT unclassified	c. THIS PAGE unclassified		
19a. NAME OF RESPONSIBLE PERSON				

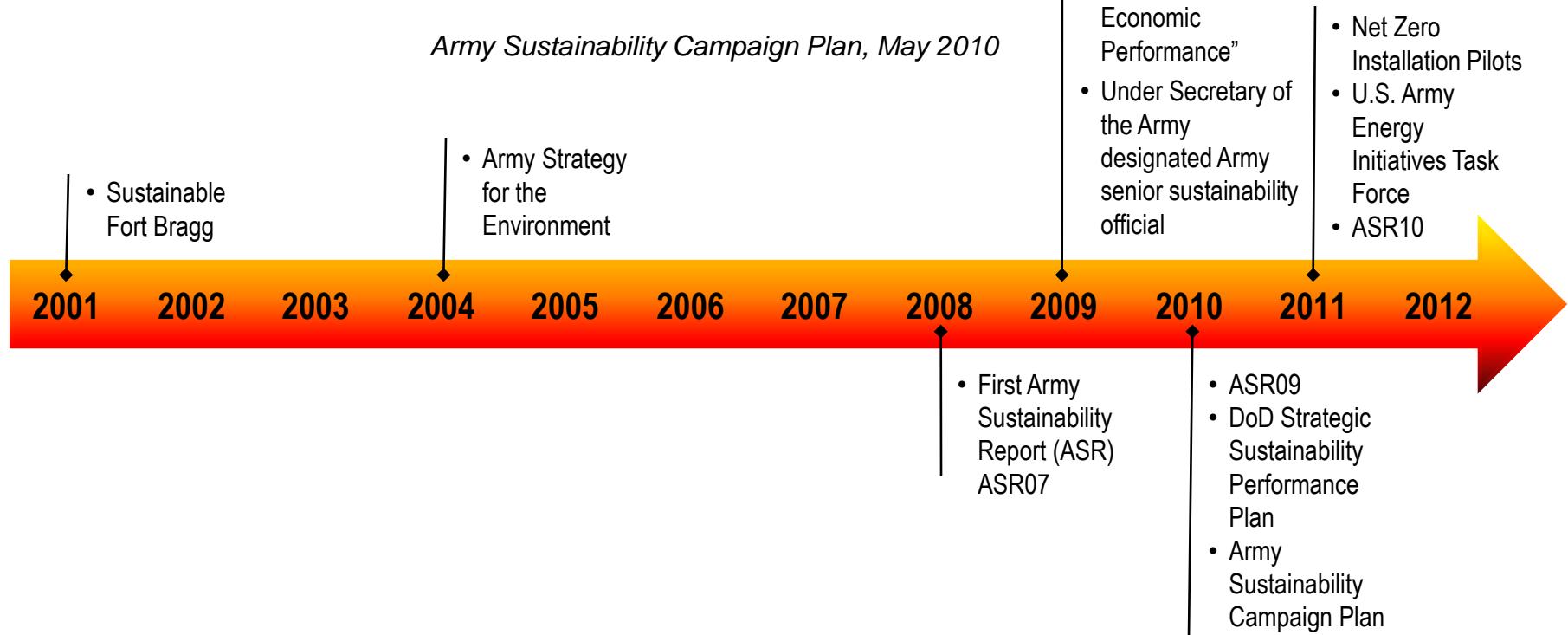


Evolution of Army Sustainability



Sustainability is an organizing principle and framework for decision making and an ongoing institutional process that reflects total commitment to excellence, with continuous improvement to achieve policy goals and national priorities. There is no fixed result to be achieved at a set time, thus there is no end state.

Army Sustainability Campaign Plan, May 2010





Sustainability Reporting



- Traditional metrics were narrowly focused - broader measures were needed to assess and communicate performance for mission, social, and economic factors
- Limited transparency/accountability/accessibility
- Sustainability reporting:¹
 - A sustainability report is an organizational report that gives information about economic, environmental, social and governance performance
 - Establishing a sustainability reporting process helps to set goals, measure performance, and manage change
 - A sustainability report is the key platform for communicating positive and negative sustainability impacts

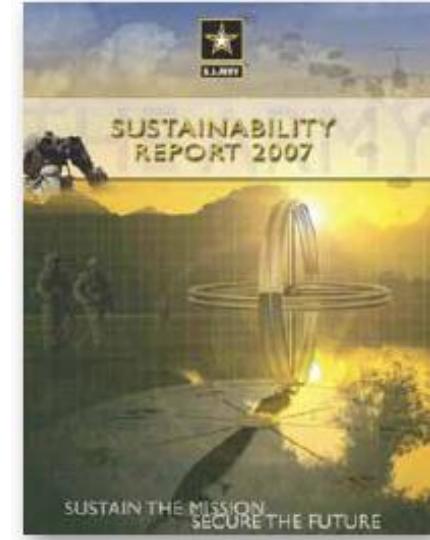
1. Source: Global Reporting Initiative <https://www.globalreporting.org/information/sustainability-reporting/Pages/default.aspx>



Army Sustainability Reporting



- The first ASR:
 - Demonstrated leadership through voluntary reporting to Army stakeholders and the public
 - Aggregated information in a comprehensive report of relevant Army activities and achievements
- Enabled the Army to publicly document sustainability initiatives and report performance with transparency

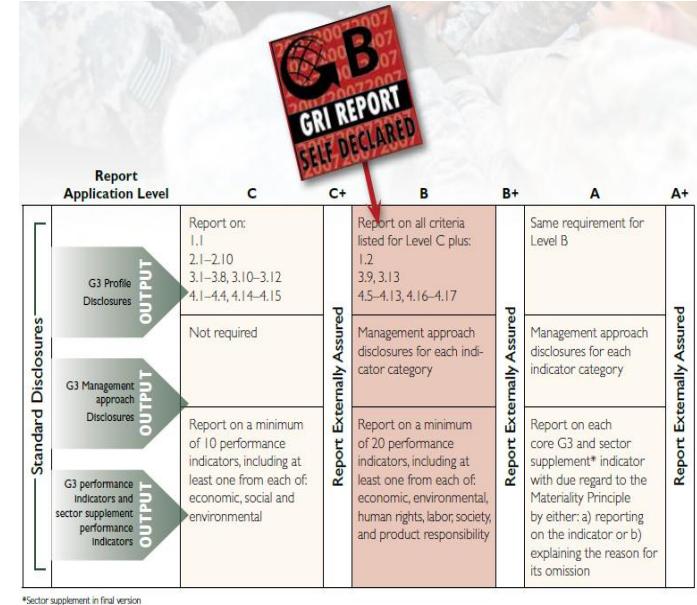




Global Reporting Initiative (GRI) Framework



- GRI application level B reporting all portfolio criteria describing the organization and its processes against performance indicators in the areas of economics, environment, human rights, labor, society and product responsibility
- Not all GRI indicators are material—significant and relevant for disclosure—for the Army
- Of 87 GRI indicators, the Army fully reported on 33 and partially reported on 21 in ASR10, an increase from ASR09
- The Army continues to review how GRI applies to its mission and activities





Responding to Evolving Initiatives and Drivers

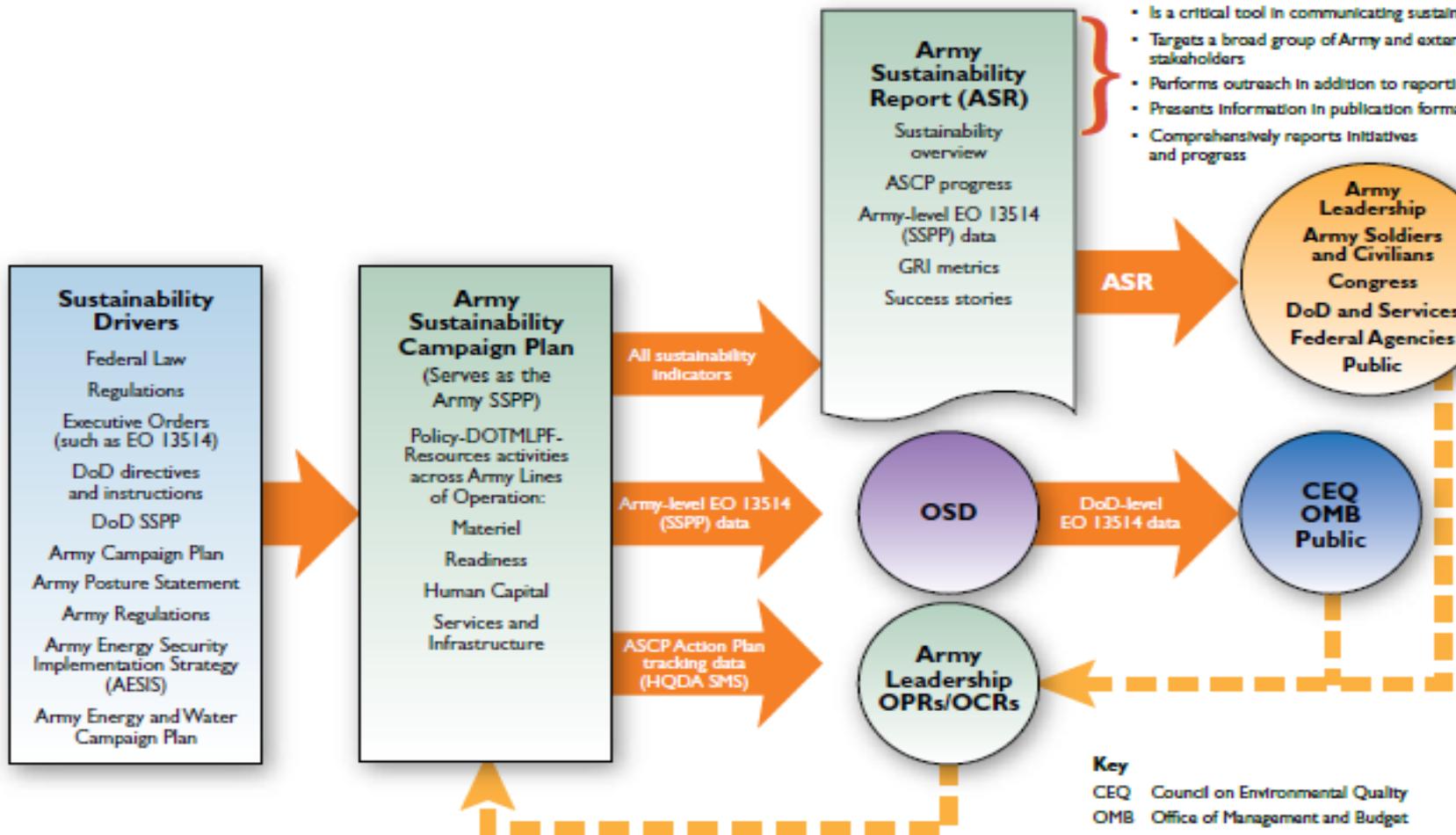


- Initial ASR based on fundamental concepts and objectives communicated in *The Army Strategy for the Environment*
- ASR needs to respond to evolving:
 - Organizational structure
 - Leadership
 - Doctrine
 - Policies
 - Programs and initiatives
 - Organizational changes
 - Data
 - Requirements and drivers
- This current (fourth) ASR12 under development builds upon an established foundation – fundamental concepts and objectives have not changed
- Involvement of Army stakeholders across the organization – beyond traditional environmental organizations and functions – is essential to reporting the breadth and depth sustainability efforts





Communicating Army Sustainability





Overview of ASR 2012



- Broadened to represent developments in materiel, readiness, human capital, and services and infrastructure
- Correlates/maps existing indicators with new requirements/metrics (e.g., GRI, ASR, EO13514, DoD SSPP, etc.)
- Demonstrates the Army's ongoing objective to better assess and report its efforts and progress in sustainability – beyond mandated reporting
- Reflects the continued evolution of sustainability, from individual installation-level initiatives to current programmatic approaches



Overview of ASR 2012 (Cont'd)



- NEW IN ASR12:
 - Analyzes long-term results/trends with up to 8 years of data
 - Captures 2010 and 2011 activities and performance
 - Reports progress toward EO13514 and DoD SSPP numerical and non-numerical targets and management requirements
 - Highlights new success stories
 - Includes information on new initiatives and developing topics (e.g., contingency basing, EITF, Net Zero, sustainable ranges)
 - Provides greater coverage of human capital advancements
- Publication of ASR12 anticipated in Fall 2012



Ongoing Sustainability



- Sustainability will continue to:
 - Be an organizing principle, influencing decision making across Army facilities and operations
 - Influence and be influenced by internal and external factors
 - Evolve in doctrine and practice
 - Support the achievement of policy goals and national priorities
- ASR will continue to:
 - Communicate actions, outputs, and outcomes
 - Highlight key challenges, progress, and accomplishments
 - Be modified and refined to reflect sustainability as an evolving concept and practice
 - Document and advocate change



ASR Development Team



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Backup Slides



Table 1. Army Sustainability Trends



Table 1. Army Sustainability Trends, FY04–09

ASR page	Metric definition (units)	FY04	FY05	FY06	FY07	FY08	FY09	FY09 goal ^a	FY08–09 change (%)
33	Net cost of Army operations (\$ billion) ^b	\$135.8	\$146.4	\$164.6	\$168.9	\$190.5	\$206.4	—	8.3
33	Total Army end strength (thousands) ^b	1,046.59	1,014.91	1,041.66	1,064.61	1,101.03	1,116.73	1,115.60	1.4
34	Active Army end strength (thousands) ^b	499.54	492.73	505.40	522.02	543.65	553.04	552.40	1.7
34	USAR and ARNG end strength (thousands) ^b	547.05	522.18	536.26	542.59	557.38	563.69	563.20	1.1
34	Army Civilian workforce (thousands) ^b	227.16	235.65	239.00	250.00	290.00	273.43	—	-5.7
25	Total acre permanently protected by Army Compatible Use Buffer (ACUB) partnerships ^{c,d}	22,431	28,419	63,370	81,587	96,275	120,607	—	25.3
48	Environmental funding (\$ million) ^{e,f}	\$1,456	\$1,467	\$1,454	\$1,493	\$1,520	\$1,142	—	Note f
48	Cleanup—environmental remediation (\$ million) ^{e,f}	\$742.8	\$762.1	\$803.7	\$801.3	\$838.8	\$528.9	—	Note f
48	Compliance, pollution prevention, conservation (\$ million) ^g	\$713.4	\$704.5	\$650.2	\$691.3	\$681.2	\$613.0	—	-10.0
49	Percentage of facilities with Environmental Management System (EMS) fully implemented ^h	Note h	Note h	Note h	Note h	14.1%	38.2%	—	24.1
45	Integrated Strategic and Sustainability Planning (ISSP)	7	12	13	16	21	30	—	42.9
48	Army New Enforcement Actions (ENFs)*	89	91	101	94	130	75	—	-42.3
50	Solid Waste (SW) and Construction and Demolition (C&D) debris generated (million tons) ^j	2.76	2.14	2.33	2.83	2.25	2.28	—	1.3

ASR page	Metric definition (units)	FY04	FY05	FY06	FY07	FY08	FY09	FY09 goal ^a	FY08–09 change (%)
50	Overall SW and C&D debris recycled rate ^k	57%	45%	59%	65%	58%	60%	—	2.0
22	HW disposal (million lb by CY) ^m	33.39	45.71	63.70	45.00	76.50	54.74	—	-28.4
21	TRI releases (million lb by CY) ⁿ	21.48	18.87	18.76	23.87	21.96	25.07	—	14.2
42	% new Military Construction (MILCON) 30% more energy efficient than American Society of Heating, Refrigerating and Air-Conditioning Engineers (ASHRAE) Standards ^k	Note l	100%	Note l					
48	Installations with up-to-date Integrated Natural Resources Management Plan (INRMP)*	98%	99%	98%	98%	98%	62%	100%	-35.6
37	Army facility water use (billion gallons) ^{m,n}	66.15	45.93	43.4	45.2	45.9	58.2	—	26.8
37	Facility energy use intensity (Btu/gsf) ^k	Note o	Note o	Note o	91,873	89,802	93,051	—	3.6
32	Military accident fatalities rate (per 1,000 service members) ^p	0.37	0.44	0.37	0.37	0.29	0.24	—	-17.2
32	Army Civilian lost time/fatal claims (per 1,000 Civilians) ^p	19.90	6.79	7.75	7.66	7.06	6.17	—	-12.6
9	Retention—Active, Reserve, National Guard (thousands) ^b	123.35	119.80	126.61	127.26	120.05	116.22	101.21	-3.2
9	Recruiting—Active, Reserve, National Guard (thousands) ^b	148.09	142.99	175.06	174.06	169.86	145.74	140.20	-14.2
30	Number of Community Covenants signed ^q	Note q	Note q	Note q	Note q	85	338	—	297.6
45	Visits to Corps recreational areas (millions) ^{h,s}	122	122	131	132	137	132	127	-3.6



Table 1. Army Sustainability Trends



ASR page	Metric definition (units)	FY04	FY05	FY06	FY07	FY08	FY09	FY08-09 change (%)
48	Fines and penalties assessed (thousands)*	\$903.0	\$430.2	\$947.0	\$347.8	\$453.2	\$552.1	— 21.8
32	Army accidents†	2,191	2,440	2,550	2,473	3,031	2,659	— -12.3
32	Army fatalities†	264	299	240	250	210	173	— -17.6
32	Army accidents and fatalities†	2,455	2,739	2,790	2,723	3,241	2,832	— -12.6
32	Army ground accidents‡	2,028	2,224	2,316	2,270	2,821	2,465	— -12.6
32	Army ground fatalities‡	252	265	208	213	196	161	— -17.9
32	Army personal-owned vehicle accidents‡	432	418	443	477	560	487	— -13.0
32	Army personal-owned vehicle fatalities‡	132	144	128	116	129	110	— -14.7
32	Army aviation accidents‡	163	216	234	203	210	194	— -7.6
32	Army aviation fatalities‡	12	34	32	37	14	12	— -14.3

Note:

* Not all metrics have an established goal.

† Army FY05-09 Annual Financial Statements.

‡ The data are reported annually in reports located at ac.army.mil/usac/acub/index.html.

§ The FY08 total was previously reported as 95,962 acres in ASR09; it was changed to 96,275 to reflect the total found in the ACUB Year-end Summary for FY08 at ac.army.mil/usac/acub/index.html.

¶ DEP ARC, FY04-09.

§ ASR07 and ASR09 include formerly used defense sites (FUDS) funding in the total environmental compliance and total environmental funding counts. Although the Army is the executive agent for FUDS, this program is funded through DoD. The FY09 DEP ARC moved FUDS from the Army-specific totals. A percentage change since FY08 cannot be provided because the FY08 funding level includes FUDS.

‡ In ASR07 and ASR09, FY04-08 base realignment and closure (BRAC) data were compiled with compliance, conservation and pollution prevention totals, but for FY04-09 totals in ASR10, BRAC reported under environmental restoration to maintain consistency with FY04-09 DEP ARCS; environmental funding totals for FY04-08 did not change.

§ In FY07, the Office of the Federal Environmental Executive established new standards for EM5s, including external audits. The previous metric measured those with EM5s in place, 100% in FY07.

¶ For FY09, ASR includes CONUS and overseas.

† The figures were reported on a CY basis, but shown in the following fiscal year.

* The DoD FY04-09 Annual Energy Management Reports were clarified with facility energy intensity totals from personal communications with energy engineer Randy Schmidt, Program Manager for Energy Sustainability, Headquarters Department of the Army.

† The FY07 report counted new construction attaining Leadership in Energy and Environmental Design (LEED) standards; in FY08-09, the Army required buildings to be designed 30 percent more energy efficient than ASHRAE Standard 90.1 2004. The Army is currently validating these designs.

‡ The FY05 and FY06 Army facility water use totals are from Army FY05 and FY06 Annual Energy Reports: army-energy.hq.dod.pentagon.mil/archives/.

§ The FY04 and FY05 Army facility water use totals are reported in millions, but converted to billions for this report; the number of significant figures for FY06 and FY07 changed to reflect how data were reported in historical source documents.

¶ The metric is not included in public FY04-06 DoD Annual Energy Management Reports.

§ US Army accident information, Army Historical Statistical Report, FY98-09: <http://safetyarmy.mil/statisticsdata/ARMYSTATISTICSREPORTS/tbhd/373/default.aspx>.

¶ This program began in 2008.

† USACE Civil Works, FY09 US Army Annual Civil Works Financial Statement.

‡ Personal communications on changes to annual financial statement data.

§ Historical Army accident and fatality data were not previously available publicly, but now are; see https://safetyarmy.mil/portals/statisticsdata/public_reports/total_army/ArmyAccidentStatisticsHistoricalData.pdf.